## Pop Quiz Get out a scrap sheet of paper.

- 1. Write the slope formula.
- 2. How do slopes of parallel lines compare?
- 3. How do slopes of perpendicular lines compare?

## Bellwork 10/04/2011

1. Find the slope of the line containing the points (4,-3) and (5,2).

2. Line *k* passes through the points (-1,2) and (3,5). Line *n* passes through the points (3,7) and (6,3). Are lines *k* and *n* parallel, perpendicular, or neither?

Geometry 3.5 Write and Graph Equations of Lines Standard(s): 2,3
Vocabulary:
<ol> <li>Slope-Intercept Form: y=mx+b, where m is the slope and b is the y-intercept.</li> </ol>
2. Standard Form: Ax+By=C, where A is positive and both A and B are not equal to zero. Nott: Use intercepts to graph'.
3. Point-Slope Form: y-y <sub>1</sub> =m(x-x <sub>1</sub> ), given slope and a point on the line.
4. To Find Intercepts: <u>x-intercept</u> Plug 0 in for y Plug 0 in for y Plug 0 in for x







Lesson 3.5





## Worksheet 3.5B

